

0280

OIPE

#3

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/757,781

DATE: 02/05/2001
 TIME: 14:21:07

Input Set : A:\pc0032us_seqlist.txt
 Output Set: N:\CRF3\02052001\I757781.raw

2 <110> APPLICANT: Reddy, Roopa
 3 Tang, Y. Tom
 4 Baughn, Mariah R.
 5 Krasnow, Randi E.
 7 <120> TITLE OF INVENTION: ASIP-RELATED PROTEINS
 9 <130> FILE REFERENCE: PC-0032 US
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/757,781
 C--> 12 <141> CURRENT FILING DATE: 2001-01-09
 14 <160> NUMBER OF SEQ ID NOS: 63
 15 <170> SOFTWARE: PERL Program
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 935
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Homo sapiens
 22 <220> FEATURE:
 23 <221> NAME/KEY: misc_feature
 24 <223> OTHER INFORMATION: Incyte ID No: 1555118CD1
 26 <400> SEQUENCE: 1
 27 Met Lys Val Thr Val Cys Phe Gly Arg Thr Gly Ile Val Val Pro
 28 1 5 10 15
 29 Cys Lys Glu Gly Gln Leu Arg Val Gly Glu Leu Thr Gln Gln Ala
 30 20 25 30
 31 Leu Gln Arg Tyr Leu Lys Thr Arg Glu Lys Gly Pro Gly Tyr Trp
 32 35 40 45
 33 Val Lys Ile His His Leu Glu Tyr Thr Asp Gly Gly Ile Leu Asp
 34 50 55 60
 35 Pro Asp Asp Val Leu Ala Asp Val Val Glu Asp Lys Asp Lys Leu
 36 65 70 75
 37 Ile Ala Val Phe Glu Glu Gln Glu Pro Leu His Lys Ile Glu Ser
 38 80 85 90
 39 Pro Ser Gly Asn Pro Ala Asp Arg Gln Ser Pro Asp Ala Phe Glu
 40 95 100 105
 41 Thr Glu Val Ala Ala Gln Leu Ala Ala Phe Lys Pro Ile Gly Gly
 42 110 115 120
 43 Glu Ile Glu Val Thr Pro Ser Ala Leu Lys Leu Gly Thr Pro Leu
 44 125 130 135
 45 Leu Val Arg Arg Ser Ser Asp Pro Val Pro Gly Pro Pro Ala Asp
 46 140 145 150
 47 Thr Gln Pro Ser Ala Ser His Pro Gly Gly Gln Ser Leu Lys Leu
 48 155 160 165
 49 Val Val Pro Asp Ser Thr Gln Asn Leu Glu Asp Arg Glu Val Leu
 50 170 175 180
 51 Asn Gly Val Gln Thr Glu Leu Leu Thr Ser Pro Arg Thr Lys Asp
 52 185 190 195
 53 Thr Leu Ser Asp Met Thr Arg Thr Val Glu Ile Ser Gly Glu Gly
 54 200 205 210
 55 Gly Pro Leu Gly Ile His Val Val Pro Phe Phe Ser Ser Leu Ser

ENTERED

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RAW SEQUENCE LISTING

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Input Set : A:\pc0032us_seqlist.txt

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56	215	220	225
57	Gly Arg Ile Leu Gly Leu Phe Ile Arg Gly Ile Glu Asp Asn Ser		
58	230	235	240
59	Arg Ser Lys Arg Glu Gly Leu Phe His Glu Asn Glu Cys Ile Val		
60	245	250	255
61	Lys Ile Asn Asn Val Asp Leu Val Asp Lys Thr Phe Ala Gln Ala		
62	260	265	270
63	Gln Asp Val Phe Arg Gln Ala Met Lys Ser Pro Ser Val Leu Leu		
64	275	280	285
65	His Val Leu Pro Pro Gln Asn Arg Glu Gln Tyr Glu Lys Ser Val		
66	290	295	300
67	Ile Gly Ser Leu Asn Ile Phe Gly Asn Asn Asp Gly Val Leu Lys		
68	305	310	315
69	Thr Lys Val Pro Pro Val His Gly Lys Ser Gly Leu Lys Thr		
70	320	325	330
71	Ala Asn Leu Thr Gly Thr Asp Ser Pro Glu Thr Asp Ala Ser Ala		
72	335	340	345
73	Ser Leu Gln Gln Asn Lys Ser Pro Arg Val Pro Arg Leu Gly Gly		
74	350	355	360
75	Lys Pro Ser Ser Pro Ser Leu Ser Pro Leu Met Gly Phe Gly Ser		
76	365	370	375
77	Asn Lys Asn Ala Lys Lys Ile Lys Ile Asp Leu Lys Lys Gly Pro		
78	380	385	390
79	Glu Gly Leu Gly Phe Thr Val Val Thr Arg Asp Ser Ser Ile His		
80	395	400	405
81	Gly Pro Gly Pro Ile Phe Val Lys Asn Ile Leu Pro Lys Gly Ala		
82	410	415	420
83	Ala Ile Lys Asp Gly Arg Leu Gln Ser Gly Asp Arg Ile Leu Glu		
84	425	430	435
85	Val Asn Gly Arg Asp Val Thr Gly Arg Thr Gln Glu Glu Leu Val		
86	440	445	450
87	Ala Met Leu Arg Ser Thr Lys Gln Gly Glu Thr Ala Ser Leu Val		
88	455	460	465
89	Ile Ala Arg Gln Glu Gly His Phe Leu Pro Arg Glu Leu Lys Gly		
90	470	475	480
91	Glu Pro Asp Cys Cys Ala Leu Ser Leu Glu Thr Ser Glu Gln Leu		
92	485	490	495
93	Thr Phe Glu Ile Pro Leu Asn Asp Ser Gly Ser Ala Gly Leu Gly		
94	500	505	510
95	Val Ser Leu Lys Gly Asn Lys Ser Arg Glu Thr Gly Thr Asp Leu		
96	515	520	525
97	Gly Ile Phe Ile Lys Ser Ile Ile His Gly Gly Ala Ala Phe Lys		
98	530	535	540
99	Asp Gly Arg Leu Arg Met Asn Asp Gln Leu Ile Ala Val Asn Gly		
100	545	550	555
101	Glu Ser Leu Leu Gly Lys Ser Asn His Glu Ala Met Glu Thr Leu		
102	560	565	570
103	Arg Arg Pro Met Ser Met Glu Gly Asn Ile Arg Gly Met Ile Gln		
104	575	580	585

RAW SEQUENCE LISTING

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Input Set : A:\pc0032us_seqlist.txt

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```

105 Leu Val Ile Leu Arg Arg Pro Glu Arg Pro Met Glu Asp Pro Ala
106                               590 595 600
107 Glu Cys Gly Ala Phe Ser Lys Pro Cys Phe Glu Asn Cys Gln Asn
108                               605 610 615
109 Ala Val Thr Thr Ser Arg Arg Asn Asp Asn Ser Ile Leu His Pro
110                               620 625 630
111 Leu Gly Thr Cys Ser Pro Gln Asp Lys Gln Lys Gly Leu Leu Leu
112                               635 640 645
113 Pro Asn Asp Gly Trp Ala Glu Ser Glu Val Pro Pro Ser Pro Thr
114                               650 655 660
115 Pro His Ser Ala Leu Gly Leu Gly Leu Glu Asp Tyr Ser His Ser
116                               665 670 675
117 Ser Gly Val Asp Ser Ala Val Tyr Phe Pro Asp Gln His Ile Asn
118                               680 685 690
119 Phe Arg Ser Val Thr Pro Ala Arg Gln Pro Glu Ser Ile Asn Leu
120                               695 700 705
121 Lys Ala Ser Lys Ser Met Asp Leu Val Pro Asp Glu Ser Lys Val
122                               710 715 720
123 His Ser Leu Ala Gly Gln Lys Ser Glu Ser Pro Ser Lys Asp Phe
124                               725 730 735
125 Gly Pro Thr Leu Gly Leu Lys Lys Ser Ser Ser Leu Glu Ser Leu
126                               740 745 750
127 Gln Thr Ala Val Ala Glu Val Arg Lys Asn Asp Leu Pro Phe His
128                               755 760 765
129 Arg Pro Arg Pro His Met Val Arg Gly Arg Gly Cys Asn Glu Ser
130                               770 775 780
131 Phe Arg Ala Ala Ile Asp Lys Ser Tyr Asp Gly Pro Glu Glu Ile
132                               785 790 795
133 Glu Ala Asp Gly Leu Ser Asp Lys Ser Ser His Ser Gly Gln Gly
134                               800 805 810
135 Ala Leu Asn Cys Glu Ser Ala Pro Gln Gly Asn Ser Glu Leu Glu
136                               815 820 825
137 Asp Met Glu Asn Lys Ala Arg Lys Val Lys Lys Thr Lys Glu Lys
138                               830 835 840
139 Glu Lys Lys Lys Glu Lys Gly Lys Leu Lys Val Lys Glu Lys Lys
140                               845 850 855
141 Arg Lys Glu Glu Asn Glu Asp Pro Glu Arg Lys Ile Lys Lys Lys
142                               860 865 870
143 Gly Phe Gly Ala Met Leu Arg Tyr Gly Pro Ala Leu Lys Ala Lys
144                               875 880 885
145 Leu Val Leu Ile Leu Ser Leu Leu Lys Lys Ala His Ala Phe Pro
146                               890 895 900
147 Arg Leu Gln Pro Asn Ala Tyr Gly Ser Gln Phe Cys Ala Arg Ser
148                               905 910 915
149 Leu Ser Ala Glu Ala Glu Glu Leu Phe Gly Glu Ser Tyr Ser Asp
150                               920 925 930
151 Asp Arg Thr Leu Ser
152                               935
154 <210> SEQ ID NO: 2

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/757,781

DATE: 02/05/2001
 TIME: 14:21:07

Input Set : A:\pc0032us_seqlist.txt
 Output Set: N:\CRF3\02052001\I757781.raw

```

155 <211> LENGTH: 1356
156 <212> TYPE: PRT
157 <213> ORGANISM: Homo sapiens
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <223> OTHER INFORMATION: Incyte ID No: 2582063CD1
163 <400> SEQUENCE: 2
164 Met Lys Val Thr Val Cys Phe Gly Arg Thr Arg Val Val Val Pro
165 1 5 10 15
166 Cys Gly Asp Gly His Met Lys Val Phe Ser Leu Ile Gln Gln Ala
167 20 25 30
168 Val Thr Arg Tyr Arg Lys Ala Ile Ala Lys Asp Pro Asn Tyr Trp
169 35 40 45
170 Ile Gln Val His Arg Leu Glu His Gly Asp Gly Gly Ile Leu Asp
171 50 55 60
172 Leu Asp Asp Ile Leu Cys Asp Val Ala Asp Asp Lys Asp Arg Leu
173 65 70 75
174 Val Ala Val Phe Asp Glu Gln Asp Pro His His Gly Gly Asp Gly
175 80 85 90
176 Thr Ser Ala Ser Ser Thr Gly Thr Gln Ser Pro Glu Ile Phe Gly
177 95 100 105
178 Ser Glu Leu Gly Thr Asn Asn Val Ser Ala Phe Gln Pro Tyr Gln
179 110 115 120
180 Ala Thr Ser Glu Ile Glu Val Thr Pro Ser Val Leu Arg Ala Asn
181 125 130 135
182 Met Pro Leu His Val Arg Arg Ser Ser Asp Pro Ala Leu Ile Gly
183 140 145 150
184 Leu Ser Thr Ser Val Ser Asp Ser Asn Phe Ser Ser Glu Glu Pro
185 155 160 165
186 Ser Arg Lys Asn Pro Thr Arg Trp Ser Thr Thr Ala Gly Phe Leu
187 170 175 180
188 Lys Gln Asn Thr Ala Gly Ser Pro Lys Thr Cys Asp Arg Lys Lys
189 185 190 195
190 Asp Glu Asn Tyr Arg Ser Leu Pro Arg Asp Thr Ser Asn Trp Ser
191 200 205 210
192 Asn Gln Phe Gln Arg Asp Asn Ala Arg Ser Ser Leu Ser Ala Ser
193 215 220 225
194 His Pro Met Val Gly Lys Trp Leu Glu Lys Gln Glu Gln Asp Glu
195 230 235 240
196 Asp Gly Thr Glu Glu Asp Asn Ser Arg Val Glu Pro Val Gly His
197 245 250 255
198 Ala Asp Thr Gly Leu Glu His Ile Pro Asn Phe Ser Leu Asp Asp
199 260 265 270
200 Met Val Lys Leu Val Glu Val Pro Asn Asp Gly Gly Pro Leu Gly
201 275 280 285
202 Ile His Val Val Pro Phe Ser Ala Arg Gly Gly Arg Thr Leu Gly
203 290 295 300
204 Leu Leu Val Lys Arg Leu Glu Lys Gly Gly Lys Ala Glu His Glu
205 305 310 315

```

NO: 3

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/757,781

DATE: 02/05/2001

TIME: 14:21:07

Input Set : A:\pc0032us_seqlist.txt

Output Set : N:\CRF3\02052001\I757781.raw

```

206 Asn Leu Phe Arg Glu Asn Asp Cys Ile Val Arg Ile Asn Asp Gly
207                               320           325           330
208 Asp Leu Arg Asn Arg Arg Phe Glu Gln Ala Gln His Met Phe Arg
209                               335           340           345
210 Gln Ala Met Arg Thr Pro Ile Ile Trp Phe His Val Val Pro Ala
211                               350           355           360
212 Ala Asn Lys Glu Gln Tyr Glu Gln Leu Ser Gln Ser Glu Lys Asn
213                               365           370           375
214 Asn Tyr Tyr Ser Ser Arg Phe Ser Pro Asp Ser Gln Tyr Ile Asp
215                               380           385           390
216 Asn Arg Ser Val Asn Ser Ala Gly Leu His Thr Val Glu Arg Ala
217                               395           400           405
218 Pro Arg Leu Asn His Pro Pro Glu Gln Ile Asp Ser His Ser Arg
219                               410           415           420
220 Leu Pro His Ser Ala His Pro Ser Gly Lys Pro Pro Ser Ala Pro
221                               425           430           435
222 Ala Ser Ala Pro Gln Asn Val Phe Ser Thr Thr Val Ser Ser Gly
223                               440           445           450
224 Tyr Asn Thr Lys Lys Ile Gly Lys Arg Leu Asn Ile Gln Leu Lys
225                               455           460           465
226 Lys Gly Thr Glu Gly Leu Gly Phe Ser Ile Thr Ser Arg Asp Val
227                               470           475           480
228 Thr Ile Gly Gly Ser Ala Pro Ile Tyr Val Lys Asn Ile Leu Pro
229                               485           490           495
230 Arg Gly Ala Ala Ile Gln Asp Gly Arg Leu Lys Ala Gly Asp Arg
231                               500           505           510
232 Leu Ile Glu Val Asn Gly Val Asp Leu Val Gly Lys Ser Gln Glu
233                               515           520           525
234 Glu Val Val Ser Leu Leu Arg Ser Thr Lys Met Glu Gly Thr Val
235                               530           535           540
236 Ser Leu Leu Val Phe Arg Gln Glu Asp Ala Phe His Pro Arg Glu
237                               545           550           555
238 Leu Asn Ala Glu Pro Ser Gln Met Gln Ile Pro Lys Glu Thr Lys
239                               560           565           570
240 Ala Glu Asp Glu Asp Ile Val Leu Thr Pro Asp Gly Thr Arg Glu
241                               575           580           585
242 Phe Leu Thr Phe Glu Val Pro Leu Asn Asp Ser Gly Ser Ala Gly
243                               590           595           600
244 Leu Gly Val Ser Val Lys Gly Asn Arg Ser Lys Glu Asn His Ala
245                               605           610           615
246 Asp Leu Gly Ile Phe Val Lys Ser Ile Ile Asn Gly Gly Ala Ala
247                               620           625           630
248 Ser Lys Asp Gly Arg Leu Arg Val Asn Asp Gln Leu Ile Ala Val
249                               635           640           645
250 Asn Gly Glu Ser Leu Leu Gly Lys Thr Asn Gln Asp Ala Met Glu
251                               650           655           660
252 Thr Leu Arg Arg Ser Met Ser Thr Glu Gly Asn Lys Arg Gly Met
253                               665           670           675
254 Ile Gln Leu Ile Val Ala Arg Arg Ile Ser Lys Cys Asn Glu Leu

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 02/05/2001

PATENT APPLICATION: US/09/757,781

TIME: 14:21:08

Input Set : A:\pc0032us_seqlist.txt

Output Set: N:\CRF3\02052001\I757781.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49